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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/088,229	03/19/2002	Kazufumi Kai	Q61659	· 1681
7590 05/06/2004		EXAMINER		
Bruce E Kramer			SHORT, PATRICIA A	
Sughrue Mion 2100 Pennsylvania Avenue NW			ART UNIT	PAPER NUMBER
Washington, DC 20037-3213			1712	
		DATE MAILED: 05/06/2004		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)					
Office Action Commons	10/088,229	KAI ET AL.					
Office Action Summary	Examiner	Art Unit					
	Patricia A. Short	1712					
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	correspondence address					
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period we Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	6(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) day ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).					
Status							
1) Responsive to communication(s) filed on <u>02 Ma</u>	arch 2004.						
2a) ☐ This action is FINAL . 2b) ☒ This	This action is FINAL . 2b)⊠ This action is non-final.						
Since this application is in condition for allowance except for formal matters, prosecution as to the ments is							
closed in accordance with the practice under E.	x parte Quayle, 1935 C.D. 11, 45	53 O.G. 213.					
Disposition of Claims							
4)⊠ Claim(s) <u>1-30</u> is/are pending in the application.							
	4a) Of the above claim(s) <u>7-12, 15-25,27 and 30</u> is/are withdrawn from consideration.						
5)⊠ Claim(s) <u>13 and 14</u> is/are allowed.							
6)⊠ Claim(s) <u>1-6,26,28 and 29</u> is/are rejected.							
7) Claim(s) is/are objected to.							
8) Claim(s) are subject to restriction and/or	election requirement.						
Application Papers							
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9) The specification is objected to by the Examiner		•					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction							
11) The oath or declaration is objected to by the Exa							
Priority under 35 U.S.C. § 119							
12)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a)⊠ All b)□ Some * c)□ None of:							
,—	1. Certified copies of the priority documents have been received.						
3. Copies of the certified copies of the priority documents have been received in this National Stage							
	application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.							
Attachment(s)							
I) ☑ Notice of References Cited (PTO-892) 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) ☑ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary (Paper No(s)/Mail Da 5) Notice of Informal Pa 6) Other:	(PTO-413) te atent Application (PTO-152)					

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Claims 7-12, 15 and 30 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected species, there being no allowable generic or linking claim. Election was made **without** traverse in the response filed March 2, 2004. Claims 7 and 8 do not read on the elected species because Z in formula 10 of claim 13 is equivalent to X^2 in formula 2 of claims 1 and 2 and claim 7 requires that X^2 be a diol while claim 13 requires that Z be a tri-, tetra-, penta- or hexa-hydric alcohol. Claim 9 does not read on the elected species because formula 10 in claim 13 does not have at least one terminal acid group as required in claim 9.

Claims 16-25 and 27 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected inventions, there being no allowable generic or linking claim. Election was made without traverse in the response filed March 2, 2004.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-6, 26, 28 and 29 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Friedlander (5,536,760). The reference teaches unsaturated polyesters containing structurally incorporated vinyl ether. Fumaric acid is a preferred acid for use in preparing the polyester because it polymerizes more readily with vinyl ether. Compositions containing the vinyl ether modified unsaturated polyesters can be cured using radical polymerization initiators. See col. 2, lines 20-35, col. 4, lines 1-40 and col. 5, line

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50 through col. 6, line 10. As a choice of unsaturated acid is required, this rejection is made under 35 USC 102 and 103.

Claims 2, 4-6, 26, 28 and 29 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over EP 0957079. The reference teaches propenyl and allyl ether esters of unsaturated dicarboxylic acids that include fumaric acid. The ether esters can have two or more groups represented by formula 5 recited in claim 2 and can be cured using radical polymerization initiators. See formulae 1, 2, 4-a, 4-b and 5, paragraphs 0038, 0041 and 0054, and page 11, paragraphs 0087-0092. As a choice of components is required, this rejection is made under 35 USC 102 and 103.

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PATRICIA A. SHORT PRIMARY EXAMINER

Pater a Sot.